

SOLID FUEL-FIRED WATER-HEATING APPLIANCE

(Space heating units not constructed to ASME)

APPLICATION:

The intent of this brochure is to educate and provide direction to Wisconsin owners, operators, installing contractors and dealers about the installation and operation of solid fuel-fired water-heating appliances that are not constructed to the American Society of Mechanical Engineers - ASME code. Compliance per section SPS 341.49 is required in both commercial and residential applications. Registration-SPS 341.41(4) and Inspection-SPS 341.16(3) are required for appliances installed in any commercial application. Prior to installation in one- or 2- family dwellings, the owner or installer shall contact local building inspection authorities for procedures and requirements in their area.

Commercial Inspection requirements can be found within the Wisconsin Administrative Code SPS 341: Boiler and Pressure Vessels.

DEFINITIONS:

APPROVED – Means acceptable to the Department.

CERTIFIED INSPECTOR – Person who holds a valid credential issued by the Department under SPS 305 as a “certified” boiler-pressure vessel or UDC inspector.

DEPARTMENT – Means the Department of Safety and Professional Services (DSPS).

DWELLING – Means any building that contains one- or 2-family dwelling units used as a home/residence per s.101.61, (1) stats.

OWNER or USER – Means any person, firm or corporation legally responsible for the safe operation of a boiler or appliance.

TESTING LABORATORIES – Examples of acceptable testing laboratories include but not limited to UL and Factory Mutual.

SOLID FUEL-FIRED WATER-HEATING APPLIANCE – Solid fuel equipment used for space heating and that is not constructed and installed in accordance with the ASME code.

GENERAL REQUIREMENTS

1. REGISTRATION
 - a. All solid fuel fired water-heating appliances installed in “commercial” applications shall be registered by the installer before operation on form SBD-6314 and shall be submitted to the department. Do not submit form SBD-6314 for appliances serving one- or 2-family dwellings.

Boiler and Unfired Pressure Vessel (UPV) Installation Registration	
<small>(Personal information you provide may be used for secondary purposes (Privacy Laws 15.56(3) (b))</small>	
Installer shall prepare form in triplicate (or make request for each boiler or pressure vessel installed and submit as follows):	
1. Original to: Industry Services Division PO Box 7302 Madison, WI 53707-7302	Installation is: (Check appropriate boxes) <input type="checkbox"/> NEW <input type="checkbox"/> USED
2. Copy to Owner	Boiler or Unfired Pressure Vessel Type: <input type="checkbox"/> POWER BOILER <input type="checkbox"/> HEATING BOILER <input type="checkbox"/> MINORATURE / ELEC. BOILER
3. Copy to Installer	<input type="checkbox"/> UNFIRED PRESSURE VESSEL: <input type="checkbox"/> Replace boiler / unfired pressure vessel. Provide "OLD" tag. _____ <input type="checkbox"/> Replace / modify an existing burner assembly or install a new burner assembly with: _____ BTU / hr output capacity <input type="checkbox"/> Convert fuel or increase heat input per SPS 341.56. Describe type of fuel conversion: _____
Site or Equipment Owner Information	
Owner / Contact Name:	Owner / Contact Telephone:
Owner / Contact Address:	Owner / Contact Email:
Owner / Contact Town, Village, City:	State: Zip:
*** Detail Information of Boiler or UPV ***	
Manufacturer's Name:	
Installation Site Name:	Site County:
Installation Site Address:	Design Pressure or MAWP: (ksi / sq in)
Installation Site Town, Village, City:	WI Registration Tag # (Inspector entry after inspection)
State: Zip:	National Board #
Serial #	
Building Location of Installation: (WI Bldg, 2nd floor, Porch, etc.)	
INSTALLER / CONTRACTOR INFORMATION	
Installer / Contractor Name:	Installer / Contractor Telephone:
Installer / Contractor Address:	
Installer Town, Village, City:	State: Zip:
Installer / Contractor Email:	
HWAC Contractor Registration #:	Expires Date: (mm-dd-yy)
Installer / Contractor Signature:	Date: (mm-dd-yy)

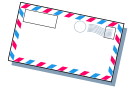
SBD-6314-6 (REV 07/13)

- SPS 341.36(3) FUEL CONVERSIONS: The owner or user shall report to the department conversions of the boiler's primary fuels to other fuels and shall use department form SBD-6314 for this notification. (Fuel conversion example: wood-coal, oil-gas, gas-coal, etc.)
- SPS 341.36(4) HEAT INPUT: The owner or user shall report to the department any modification that increases the heat input capacity of the boiler and shall use department form SBD-6314 for this notification.
- SPS 341.41(1) Boiler or pressure vessel INSTALLATION REGISTRATION: All boilers as provided in par. (b), the installation of any boiler or pressure vessel shall be registered with the department by the installer before the operation of the boiler or pressure vessel. Registration shall be in writing on form SBD-6314.

- b. For solid fuel-fired water-heating appliances serving one- or 2-family dwellings per SPS 323.04(4), an owner/installer shall contact their area building inspection office for permitting and inspection per local ordinances and SPS 341.16(1)(b)(2).

Submit SBD-6314 Forms to:

Department of Safety and
Professional Services
Division of Industry Services
PO Box 7302
Madison, WI 53707-7302



2. DESIGN-Solid fuel-fired water-heating appliances shall:
 - a. Have a self-contained weather proofing or other weather protection acceptable to the department.
 - b. Be listed by a nationally recognized testing laboratory acceptable to the department.
 - c. Be designed, constructed and operated at atmospheric pressure. Be vented to prevent a positive pressure condition on the fluid.
3. INSTALLATION-Solid fuel-fired water-heating appliances must be:
 - a. Located away from other structures in accordance with the manufacturer's recommendations.
 - b. Enclosed by fencing or other barriers to prevent access or tampering by unauthorized persons.
 - c. Provided with a fuel feed system designed, accepted and approved by the original manufacturer.
 - d. Provided with a means to prevent freezing of the water supply and return lines.
 - e. Installed with piping materials and fittings suitable for temperatures of the distribution system.



4. INSPECTION – of installation is required.

- a. Solid fuel-fired water-heating appliances shall be inspected by the department or, for one- or 2-family dwellings, in accordance with local ordinance for compliance with SPS 341.49 before the appliance is placed in operation.
- b. Fees for inspection in commercial applications shall be in accordance with SPS 302.04.

5. REPAIRS-must be made in accordance with the manufacturer's recommendations.

Visit the Department of Safety & Professional Services Website



<http://dsps.wi.gov>

After entry to the website above, go to the Division programs page. In “3” easy steps obtain program details by:

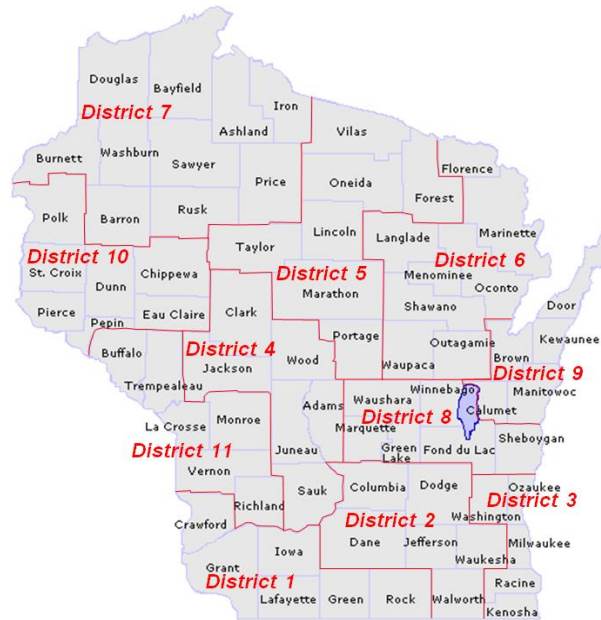
1. Click Red hat “Industry Services”
2. Scroll down to “All Division Programs”
3. Click “Boiler, Pressure Vessels” then “Publications”

You can now conveniently view or print:

- Boiler Code, “Chapter SPS 341”
- Boiler forms / SBD-6314
- Brochures / Solid fuel fired Appliances
- District Inspector District Map



COMMERCIAL INSPECTION DISTRICTS



		Phone	Fax
1 - Charlotte Martin	Char.Martin@Wisconsin.gov	608-235-0579	608-283-7478
2 - Steve Gothard	Steve.Gothard@Wisconsin.gov	608-235-0568	608-283-7474
3 - Betty Wiese	Betty.Wiese@Wisconsin.gov	414-852-3694	608-283-7467
4 - Leonard Alexander	Len.Alexander@Wisconsin.gov	608-235-0582	608-283-7384
5 - Lucas Dederich	Lucas.Dederich@Wisconsin.gov	608-445-6558	715-345-5269
6 - John Anderson	John.Anderson@Wisconsin.gov	715-460-4503	920-492-5604
7 - Teresa Black	Teresa.Black@Wisconsin.gov	715-634-8114	608-283-7485
8 - Brian Noe	Brian.Noe@Wisconsin.gov	920-420-4796	608-221-6935
9 - Jason Hansen	Jason.Hansen@Wisconsin.gov	608-598-0456	
10 - Joe Merchak	Joe.Merchak@Wisconsin.gov	715-821-1928	608-223-7702
11 - Bret Radke	Bret.Radke@Wisconsin.gov	608-386-1301	608-785-9330
Supervisor - Robin Zentner	Robin.Zentner@Wisconsin.gov	608-266-3723	
Submit general questions to:	DspssBuildingtech@Wisconsin.gov		

Note: For one- or 2-family dwelling installation, contact local Building Inspection per SPS 323.04(4) & 341.16(1) b 2.



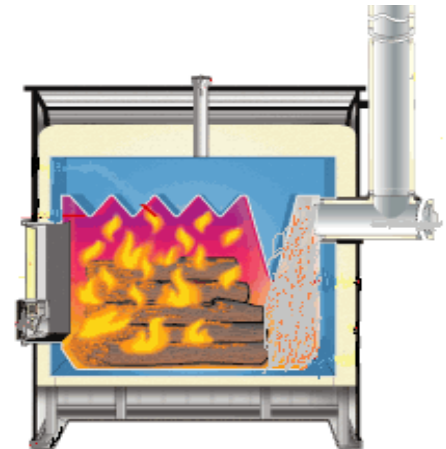
Waukesha Office
262-548-8605

Email: DSPSSBoilerTech@Wisconsin.gov



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Division of Industry Services
1400 E Washington Ave
Madison WI 53703



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